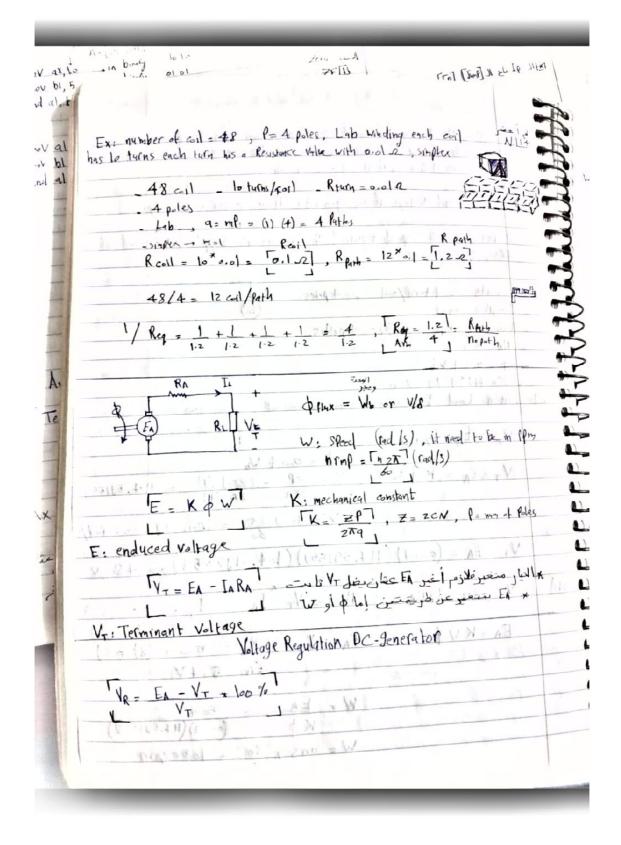
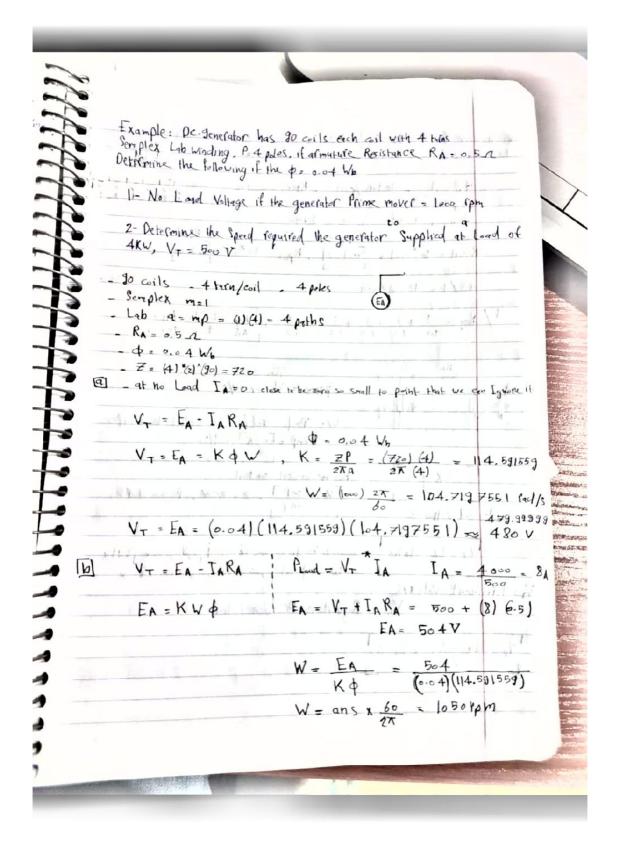


ile and a second
Winding and it has a pulse 24 state, its a single Layer, Simplex Lab
STORY OF THE STORY
Single Layer => 12 coil == == == == == == == == == == == == ==
£ \$ 1-2T
Since we have 2 paths 12/2 = 6 coil/path = = F
The state of the s
b) if number of Poles = 4, Same Lab vinding, shot 2+, single lacer, simplex
-12 Goil
mal way who is some down to Fig. & FE.
- Lab q=mp=(1)(4) - 4 Paths 5 = = = = I=41
12/4 = 3 coil (Pat) = 12 [] P. [y=12 []
if Real = 1 1. Roch = Real + Real + Real = 3.2 Rea Root Root Res Rect = 2003
Mary A Fale Visiting . Viry 24 slot , 4 pole
Single => 12 cil
mane = 5 1 = 2m = 2(1) = 2 Paths
V=6E
12/2 = 6 coil/Path
A DAIL O DE PARTICIONAL EL ES
Ray: = Kuh n foth
n John
Armiture Resistance:
Rost = N. Rivin
Rondyctor
Armiture Resistance: Resistanc





Example: DC-generator, 4 poles, Mills, loo A, De o. 02 ub Nills al lo turn per coil, 120 slots, Single layer, Rtern = o.ol n, Semplex tab violated L 1 - Determine Armeture Resistance 2 - number of coils 4 - coil/path
Example: DC-generator, 4 poles, Mills, loo A, De o. 02 Ub Nills 10 turn per coil, 120 slots, Single layer, Rtern = o.ol n, Semplex Lab Violate 2 - Determine Armeture Resistance 2 - number of coils 4- coil/path 3- number of paths
Example: DC-generator, 4 poles, 100 A, De o. o2 ub Niles 10 turn per cont, 120 stots, Single layer, Rtern = o.ol 12, Semplex Lab v. 2 L- Determine Armeture Resistance 2 - number of conts 4- coil/path
10 turn per coil, 120 stots, single layer, Rtern = oial 1, Semplex Lab violal L 1 - Determine Armeture Resistance 2 - number of coils 4 - coil/path 3 - number of paths
10 turn per coil, 120 stots, single layer, Rtern = oial 1, Semplex Lab violal L 1 - Determine Armeture Resistance 2 - number of coils 4 - coil/path 3 - number of paths
2 - Determine Armeture Resistance 2 - number of coils 4- coil/path 3- number of paths
2 - number of coils 4 - coil/path 3 - number of paths
3- number of paths
FEAT HONOR AND A STATE OF THE S
28 - Determine the induced Voltage if the generator speed - 1200
The state of the s
3 1- Determine the terminant voltage of the generator Lorday
by R = lon
1 1 10 201 (1) (10 01) 1 1 1 1 V
4 # Determine the Speed required for the generator to supply
a Load of 20 KW and VT = 500 V
5 \$ - if the flux Indused by 50% determine the speed
required for the generator to devotop En = 5151
III. Room = 0. of 1 - Single legar
R coil = (0.01) x 10 = 0.12
Rpath = (0.1) x 15 = 1.5-2 (Semplex m=1)
RA = 1.5 = 0,375 2 Red 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
Red 1.6 1.5 1.6 1.5
RA=0.375 Q Ry=1.5 6 by furn per coll
RA = 0.37 D.L. Sq. 15 College W
1 60 = 15 coil/poth
Z VT = E - IARA , E = KOW
20 1-11 (c) 1 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
E = PZ \$ 1200 2T = (4) (2x10x60) x (0.01) x 120021 =
$E = \frac{PZ}{2\pi 4} + \frac{1200}{60} = \frac{(4)(2\pi 10)(80)}{2\pi (4)} + \frac{(6.01)(80)}{60} = \frac{(4)(2\pi 10)(80)}{60} + \frac{(6.01)(80)}{60} = \frac{(4)(2\pi 10)(80)}{60} + \frac{(6.01)(80)}{60} = \frac{(4)(2\pi 10)(80)}{60} + \frac{(6.01)(80)(80)}{60} = \frac{(4)(2\pi 10)(80)}{60} + \frac{(6.01)(80)}{60} = \frac{(4)(2\pi 10)(80)}{60} = (4)(2\pi$
D= 2180 V
1 1931
A X VE.

